torney's Docket No. 6491.P060

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:

Hossein Sedarat

Examiner:

Not Yet Assigned

Application No.: 10/789,553

Art Unit:

2631

Filed:

February 26, 2004

For:

MULTICARRIER COMMUNICATION

USING A TIME DOMAIN EQUALIZING FILTER

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on
DADOVAN A MCGD(Pate of Deposit)
(Typed or printed name of person mailing correspondence)
- DYNC Manosh
(Signature of person mailing correspondence)

Application No.: 10/789,553

- 1 -

Docket No.: 6491.P060

is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

X	37 C.F.R. §1.97(b).
	37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is <u>one</u> of the following:
	A statement pursuant to 37 C.F.R. §1.97(e) or
	A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
	37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 3-2, 2005

Thomás S. Ferrill Reg. No. 42,532

12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025 (408) 720-8300

Application No.: 10/789,553

- 2 -

Docket No.: 6491.P060

FEE TRANSMITTAL FOR FY 2005

		(FY 200	5 Begins	10/01/2004. Fee changes made on	11/22/04 and 12/08/04 are in	cluded.)
<u>.</u>				TOTAL AMOUNT OF PAY	MENT (S) ()	
nnle	ete if Kno	own:		TOTAL AMOUNT OF PATE		
Applica	ation No.	~ *****	10/78	9,553		•
	Date			yary 26, 2004		
		entor_		ein Sedarat		
		•		et Assigned		
Art Uni			2631			
		t No.				
	•					
		Applica	ant clair	ns small entity status. See 37	CFR 1.27.	
METH				ck all that apply)		
				it Card Money Or	der Other	0 None
	_ Depos	it Accou				
				nt Number : <u>02-2666</u>		
v	Th. D:	eposilט e	Accoul	nt Name:	anast ta tha abaua liisii	Hiffied Denneils Assessed
<u> </u>	i ne Dii			zed to do the following with re	spect to the above-iden	unea Deposit Account:
				indicated below.		
	<u>X</u>			rpayments. ditional fees during the pende	nev of this application	
	X			or future reply that requires a peti		hould be treated as
		incorno	rating ar	or luture reply that requires a peti- n appropriate petition for extension	n of time and all required fe	es should be charged.
				indicated below except for the		or ollowid be olldiged.
FEE C	ALCUL	ATION				1. 1. 1. 1.
1A.	BASIC	FILING	FEE/S	EARCH FEE/EXAMINATION	I FEE	
•						
<u>Large I</u>	<u>Entity</u>	<u>Small l</u>				•
Fee	Fee	Fee	Fee			
Code	(\$)	Code	(\$)	Fee Description	`	Fee Paid
1011	300	2011	150	Utility application filing fee	4 000/5000	\$300.00
1111	500	2111	250	Utility search fee	├ 1,000/500*	<u>\$500.00</u>
1311	200	2311	100	Utility examination fee	ノ	\$200.00
1012	200	2012	100	Design application filing fee	.)	
1112	100	2112	50	Design search fee	F 430/215*	
1312	130	2312	65	Design examination fee	100/213	
1012	130	2012	33	Design examination ree		
1013	200	2013	100	Plant filing fee)	
1113	300	2113	150	Plant search fee	├ 660/330*	
1313	160	2313	80	Plant examination fee	J	
					_	
1004	300	2004	150	Reissue filing fee)	***
1114	500	2114	250	Reissue search fee	1,400/700*	
1314	600	2314	300	Reissue examination fee	J	
1005	200	2005	100	Provisional application filing	g fee	
					•) \$ <u>0</u>
* List t	the filing	, search,	and exar	nination fees separately, but pay	concurrently.	
						•

				Extra Sheets Fee from Fee paid
				below
Total S	heets		10	
Large l	Entity	Small I	Entity	*(round up to integer)
Fee	Fee	Fee	Fee	
Code	(\$)	Code	(\$)	Fee Description
1081	250	2081	125	Utility application size fee for each additional group of
				50 sheets beyond initial 100 sheets
				(count spec & drawings except sequences & program listings)
1082	250	2082	125	Design application size fee for each additional group of
				50 sheets beyond initial 100 sheets
				(count spec & drawings except sequences & program listings)
1083	250	2083	125	Plant application size fee for each additional group of
				50 sheets beyond initial 100 sheets
		0001	465	(count spec & drawings except sequences & program listings)
1084	250	2084	125	Reissue application fee for each additional group of
				50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)
				(count spec & drawings except sequences & program islings)
				SUBTOTAL (2) \$ 0
2. EX	TRA CL	.AIM FE	ES FOF	SUBTOTAL (2) \$0 R UTILITY AND REISSUE
2. <u>EX</u>	TRA CL	AIM FE	ES FOF	R UTILITY AND REISSUE Fee from
2. <u>EX</u>	TRA CL	AIM FE	ES FOF	R UTILITY AND REISSUE
				R UTILITY AND REISSUE Fee from Extra Claims below Fee Paid
				R UTILITY AND REISSUE Fee from Extra Claims below Fee Paid
Total	Claims endent	Claims .		The first results Fee from the below Fee Paid
Total Indep	Claims endent ole Depo	Claims endent		The latest and the latest area of the latest area
Total Indep Multip	Claims endent ble Depo	Claims endent previou	sly paid	The first results Fee from the below Fee Paid
Total Indep	Claims endent ble Depo	Claims endent	sly paid	Fee from below Fee Paid
Total Indep Multip **Or n Large	Claims endent ble Depo umber Entity	Claims endent previou Small	sly paid	Fee from below Fee Paid
Total Indep Multip **Or n Large	Claims endent ble Depo umber Entity (\$)	Claims endent previou Small Code	sly paid	Fee from below Fee Paid
Total Indep Multip **Or n Large Code 1202	Claims endent ble Depe umber Entity (\$) 50	Claims endent previou Small Code 2202	sly paid Entity (\$) 25	Extra Claims Fee from below Fee Paid -20** =
Total Indep Multip **Or n Large Code 1202 1201	Claims endent ble Depe umber Entity (\$) 50 200	Claims endent previou Small Code 2202 2201	sly paid Entity (\$) 25 100	Extra Claims Extra Claims -20** =
Total Indep Multip **Or n Large Code 1202 1201 1203	Claims endent ble Depe umber Entity (\$) 50 200 360	Claims endent previou Small Code 2202 2201 2203	sly paid Entity (\$) 25 100 180	Fee from below Fee Paid -20** =
Total Indep Multip **Or n Large Code 1202 1201	Claims endent ble Depe umber Entity (\$) 50 200	Claims endent previou Small Code 2202 2201	sly paid Entity (\$) 25 100	Extra Claims Extra Claims -20** =

FEE CALCULATION (continued) 3. ADDITIONAL FEES **Large Entity** Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid 1051 130 2051 65 Surcharge - late filing fee or oath 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet 1053 130 1053 130 Non-English specification 1812 2,520 1812 2,520 For filing a request for ex parte reexamination 1813 8,800 1813 8,800 Request for inter parties reexamination 1804 920* Requesting publication of SIR prior to Examiner action 920* 1804 1,840* Requesting publication of SIR after Examiner action 1805 1,840* 1805 1251 60 120 2251 Extension for reply within first month 1252 450 2252 225 Extension for reply within second month 510 Extension for reply within third month 1253 1,020 2253 1,590 1254 2254 795 Extension for reply within fourth month 1255 2,160 2255 1.080 Extension for reply within fifth month 1401 500 2401 250 **Notice of Appeal** 1402 500 2402 250 Filing a brief in support of an appeal Request for oral hearing 1403 1.000 2403 500 Petition to institute a public use proceeding 1451 1,510 1451 1,510 1452 500 2452 250 Petition to revive - unavoidable 1453 1,500 2453 750 Petition to revive - unintentional 1501 1,400 2501 700 Utility issue fee (or reissue) 400 Design issue fee 1502 800 2502 550 Plant issue fee 1503 1100 2503 1464 130 1460 130 Petitions to the Commissioner (CFR 1.17(h) Group III) 200 1460 200 Petitions to the Commissioner (CFR 1.17(g) Group II) 1463 400 1460 400 Petitions to the Commissioner (CFR 1.17(f) Group I) 1462 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 **Submission of Information Disclosure Stmt** 0 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1809 790 2809 395 For filing a submission after final rejection (see 37 CFR 1.129(a)) 1814 130 2814 65 Statutory Disclaimer 1810 790 2810 395 For each additional invention to be examined (see 37 CFR 1.129(b)) Request for Continued Examination (RCE) 1801 790 2801 395 1802 1802 900 900 Request for expedited examination of a design application 1504 300 1504 300 Publication fee for early, voluntary, or normal pub. 1505 300 1505 300 Publication fee for republication 1803 130 1803 130 Request for voluntary publication or republication 1808 130 1808 130 Processing fee under 37 CFR 1.17(i) (except provisionals) 1454 Acceptance of unintentionally delayed claim for priority 1.370 1454 1.370 Other fee (specify) Other fee (specify) SUBTOTAL (4) \$_ *Reduced by Basic Filing Fee Paid SUBMITTED BY: Typed or Printed Name: 3-2-05 Signature: Date: Reg. Number: 42,532 **Telephone Number:** 408-720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute	for Form 1449	PTO			Complete	if Known
	INFOF	λ/Δ	TION DISCLOSU	RF	Application Number	10/789,553
TPE					Filing Date	February 26, 2004
0.	TAT <i>ay</i>	EME	ENT BY APPLICA	First Named Inventor:	Hossein Sedarat	
MAD O 4 9	008 H	(use as	s many sheets as necessary)	Art Unit	2631	
MAR 0 4 2	005 <u>z</u>				Examiner Name	Not Yet Assigned
Speet	NATE OF THE PROPERTY OF THE PR		of	4	Attorney Docket Number	6491.P060
GIRAU			U.S. PAT	ENT DOCUMENTS	3	
Examiner Initials*	Cite No.1	Num	Document Number ber-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		UŞ-	5,285,474	02/08/1994	Chow et al.	
•		US-				
		US-				
		US-				
	ļ	US-				
	-	US-				
		US-				
		US-				
		US-				
		US-				
	1	US-				
		US-				
		US-				
		US-				

		FO	REIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner	Date Consider	red
Signature		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute f	or Form 14	149/PTO			Coi	mplete if Known		
INFO	RMAT	ION	DISC	LOSURE	Application Number	10/789,553		
					Filing Date	February 26, 2004		
STA			T BY APPLICANT First Named Inventor: Hossein Sedara			First Named Inventor: Hossein Sedarat		
	(use as n	nany shee	ts as neces	sary)	Art Unit	2631		
					Examiner Name	Not Yet Assigned		
Sheet	2		of	4	Attorney Docket Number	006491.P060		
				NON PATENT LI	TERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include ite	e name of m (book, n	nagazine, journal, s	TAL LETTERS), title of the article erial, symposium, catalog, etc.) plisher, city and/or country whe	cle (when appropriate), title of the , date, page(s), volume-issue re published	T ²	
					orks," How Stuff Works, m/dsl.htm/printable, printed	November 16, 2004.		
				SSEIN, et al., "Imposited to IEEE ICA	oulse Noise Protection for M SSP (2005).	ulti-Carrier Communication		
		SEDAF Noise S 2005.	RAT, HOS Sources",	SSEIN, et al., "Mu IEEE Consumer	lticarrier Bit-Loading in Pres Communication and Networ	ence of Biased Gaussian king Conference, January		
		BACCA Limited May 20	I ADSL-T	ENZO, et al., "Nov ype Multicarrier S	rel Efficient Bit-Loading Algo ystems, IEEE Trans on Sigr	rithms for Peak-Energy- nal Processing, vol. 50, no. 5,		
				NJAN, et al., "An vol. 4, pp. 80-82,		hm for DMT Application," IEEE		
					iscrete Bit Loading for Multic Information Theory, Augus	carrier Modulation Systems," t 1998, Cambridge, MA.		
-		Data T		ion over Spectrall	tical Discrete Multitone Tran y Shaped Channels," IEEE	sceiver Loading Algorithm for Frans. on Communications,		
				ERT F.H., et al., " EEE, 1996, pp. 72	A New Loading Algorithm fo 24-728.	or Discrete Multitone		
			, LUTZ F Lines," 8		rmance Evaluation of Non-C	Coherent Transmission over		

2000.

Examiner

Signature

HENKEL, WERNER, et al., "Maximizing the Channel Capacity of Multicarrier Transmission by Suitable Adaptation of the Time-Domain Equalizer," IEEE, Vol. 48, no. 12, December

Date

Considered

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form call 1-800-PTO-9199 (1-800-PTO-9199) and select option 2

Substitute for Form 1449/PTO Complete if Known Application Number 10/789.553 INFORMATION DISCLOSURE Filing Date February 26, 2004 STATEMENT BY APPLICANT First Named Inventor: Hossein Sedarat (use as many sheets as necessary) Art Unit 2631 **Examiner Name** Not Yet Assigned 3 of **Sheet** Attorney Docket Number 006491.P060 NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Cite T² Examiner No¹ item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials* number(s), publisher, city and/or country where published LASHKARIAN, NAVID, et al., "Fast Algorithm for Finite-Length MMSE Equalizers with Application to Discrete Multitone Systems," IEEE 1999, pp. 2753-2756. MELSA, PETER J.W., et al., "Impulse Response Shortening for Discrete Multitone Transceivers," IEEE Vol. 44, no. 12, December 1996, pp. 1662-1672. AL-DHAHIR, NAOFAL, et al., "Optimum Finite-Length Equalization for Multicarrier Transceivers," IEEE Vol. 44, No. 1, January 1996, pp. 56-64. LEKE, ACHANKENG, et al., "A Maximum Rate Loading Algorithm for Discrete Multitone Modulation Systems," IEEE 1997, pp. 1514-1518. BINGHAM, JOHN A.C., "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come," IEEE, May 1990, pp. 5-14. ARSLAN, G., et al., "Equalization for Discrete Multitone Transceivers to Maximize Bit Rate." IEEE, Vol. 49, No. 12, December 2001, pp. 3123-3135. FARHANG-BOROUJENY, BEHROUZ, et al., "Design Methods for Time-Domain Equalizers in DMT Transceivers," IEEE, Vol. 49, No. 3, March 2001, pp. 554-562. WYGLINSKI, ALEXANDER M., et al., "An Efficient Bit Allocation for Multicarrier Modulation." IEEE Wireless Communication, Networking Conference, Atlanta, GA, March 2004, 4 pgs. "Draft Standard," Network and Customer Installation Interfaces- Asymmetric Digital Subscriber Line (ADSL) Metallic Interface, Draft American National Standard for Telecommunications, Alliance for Telecommunications Industry Solutions, T1.413-1998. KRONGOLD, BRIAN S., et al., "Computationally Efficient Optimal Power Allocation

Examiner	Date
Signature	Considered

Algorithms for Multicarrier Communication Systems," IEEE Trans. on Communications, vol.

BARRETO, ANDRE NOLL, et al., "Adaptive Bit Loading for Wireless OFDM Systems," IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, October

48, pp. 23-27, Jan. 2000.

2001.

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known						
Application Number	10/789,553					
Filing Date	February 26, 2004					
First Named Inventor:	Hossein Sedarat					
Art Unit	2631					
Examiner Name	Not Yet Assigned					
Attempts Dealert November	006401 7060					

			r			Not Tet Assigned	
Sheet	4		of	4	Attorney Docket Number	006491.P060	
			NO	N PATENT LITER	ATURE DOCUMENTS		
Examiner Initials*	Cite No ¹	Includit	em (book, maga	zine, journal, serial,	LETTERS), title of the article (v symposium, catalog, etc.), dat er, city and/or country where pu	e, page(s), volume-issue	T²
•		MILOSEVIC et al., "Simultaneous Multichannel Time Domain Equalizer Design Based on the Maximum Composite Shortening SNR". Dept. of Electrical and Computer Eng., The University of Texas, Austin Texas, Prior to filing date of current application, pp. 5 total.					
ANA GARCIA ARMADA et al., "Multi-User Constant-Energy Bit Loading for I Modulated Orthogonal Frequency Division Multiplexing", © 2002 IEEE, pp. 5							
	MISAO FUKUDA et al., "A Line Terminating LSI Using Echo Cancelling Method for ISDN Subscriber Loop Transmission". IEEE Journal on Selected Areas in Communications, Vol. 6, No. 3, April 1988, pp. 476-483.						
		CHENG-SHING WU et al., "A Novel Cost-Effective Multi-Path Adaptive Interpolated FIR (IFIR)-Based Echo Canceller", © 2000 IEEE, pp. V-453-V-456.					
	Ranjan V. Sonalkar et al., "Shannon Capacity of Frequency-Overlapped Digital Subscriber Loop Channels", © 2002 IEEE, pp. 1741-1745. IVAN A. PEREZ-ALVAREZ et al., "A Differential Error Reference Adaptive Echo Canceller for Multilevel PAM Line Codes*" *Work supported by National Project T1C95-0026, © 1996, IEEE, pp. 1707-1710. NADEEM AHMED et al., "Optimal Transmit Spectra for Communication in the Presence of Crosstalk and Imperfect Echo Cancellation", Copyright 2001 IEEE, pp. 17-21.						-
•							

Examiner	Date	
Signature	Considered	

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.